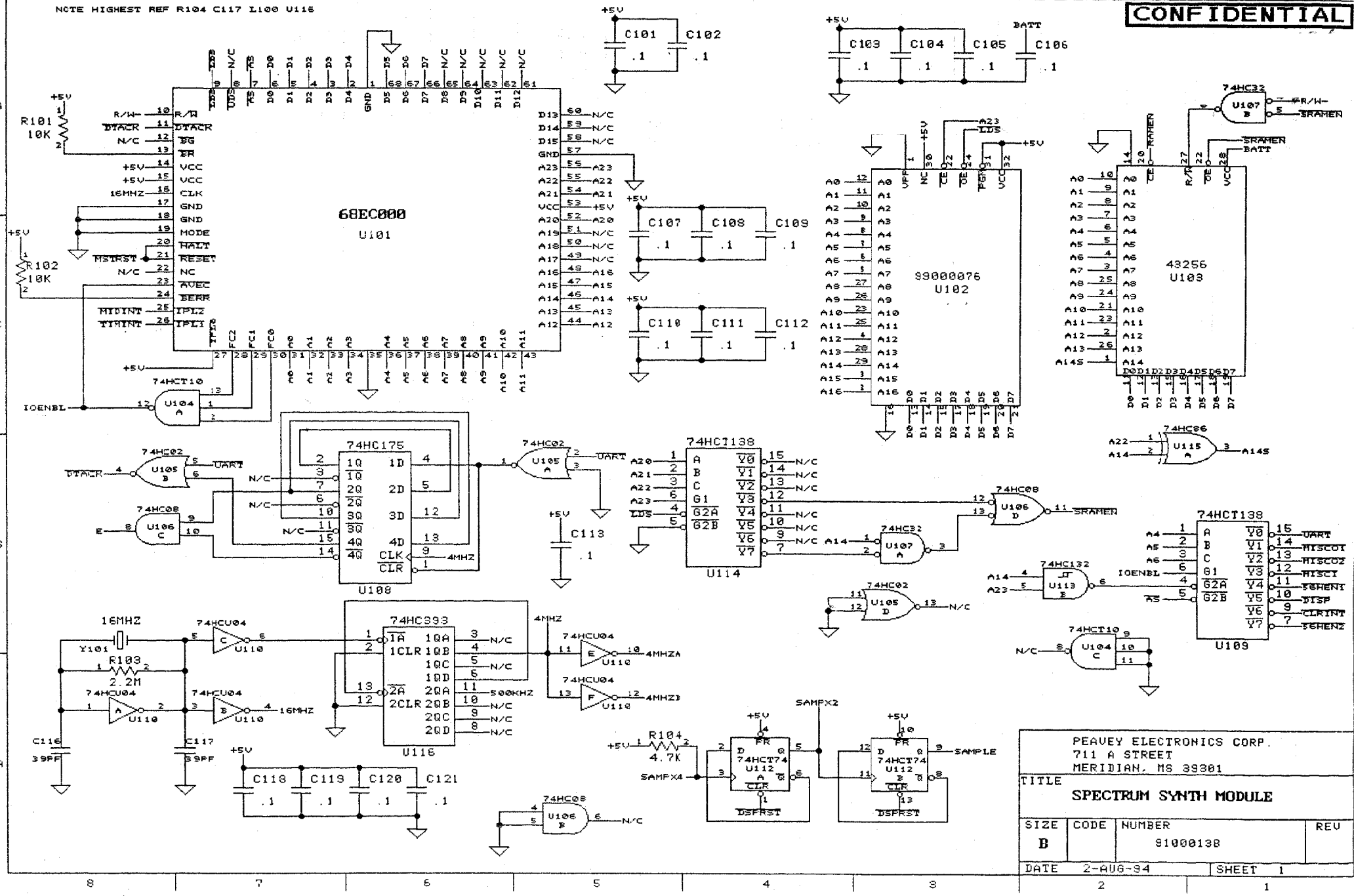
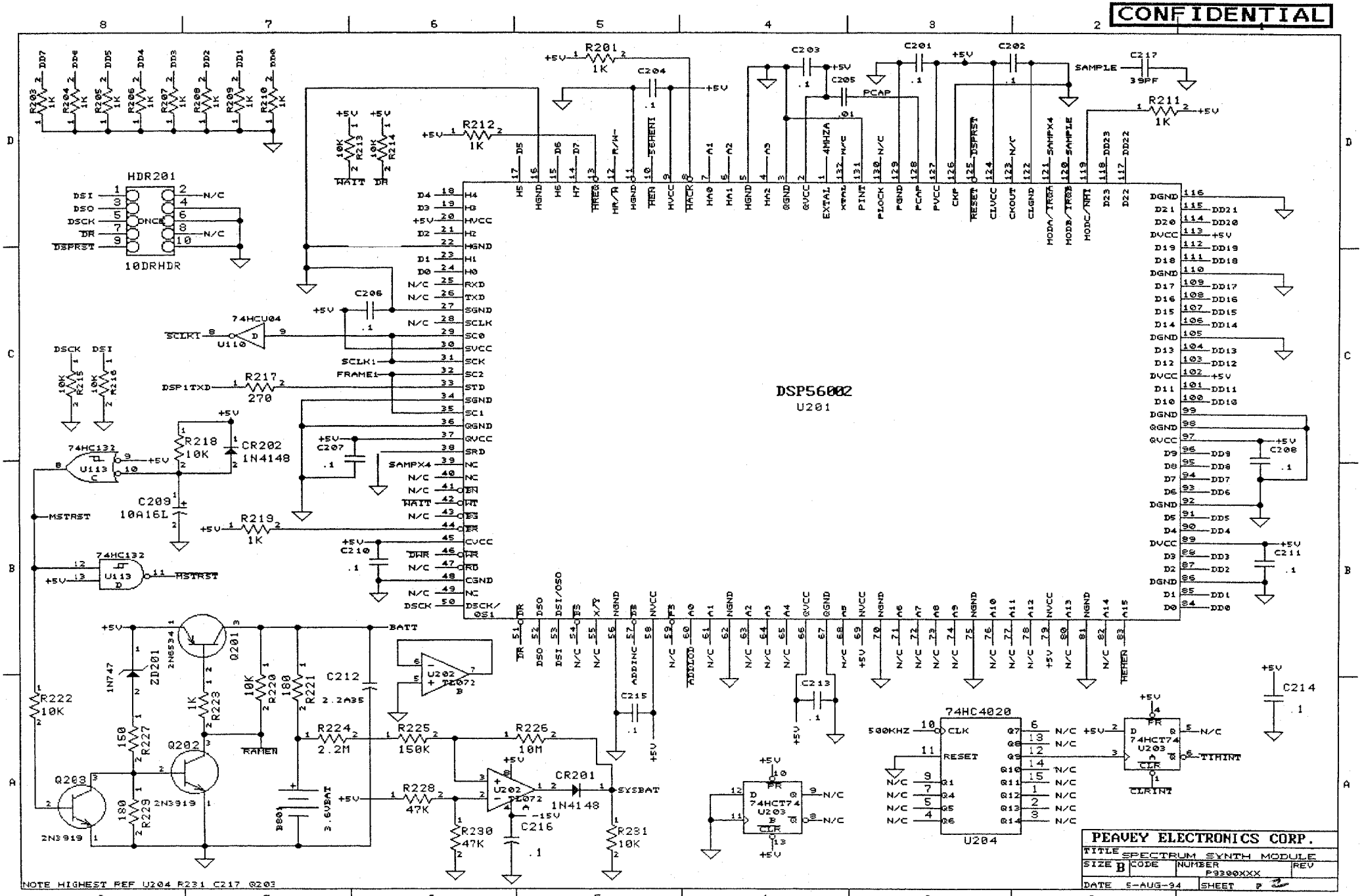
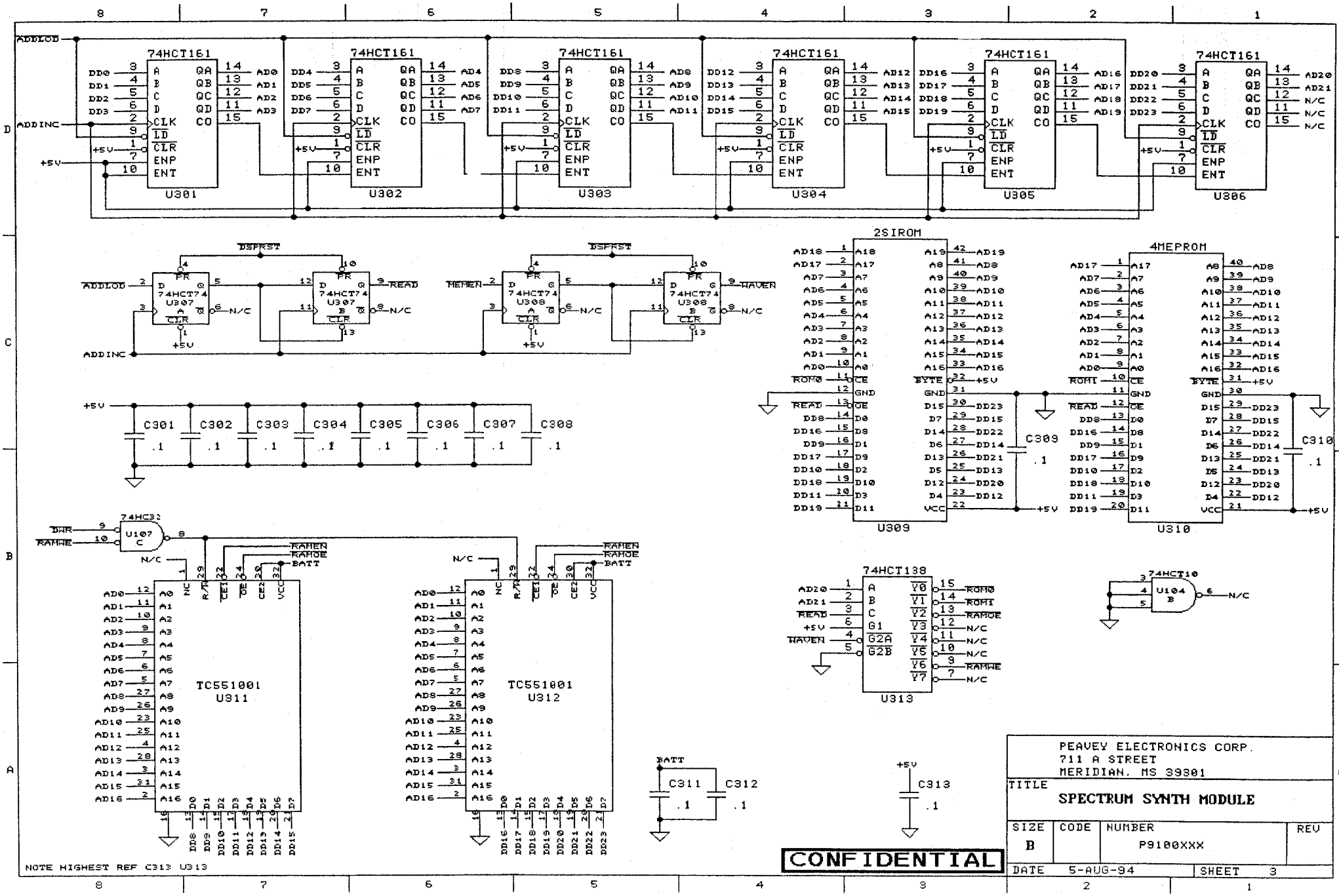

CONFIDENTIAL
NOTE HIGHEST REF R104 C117 L100 U116
68EC000
U101
99000076
U102
43256
U103
74HC175
U108
74HCT138
U114
74HCT138
U109
74HC393
U116
74HCT74
U112
74HCT74
U112
C101
C102
C103
C104
C105
C106
C107
C108
C109
C110
C111
C112
C113
C114
C115
C116
C117
C118
C119
C120
C121
R101
10K
R102
10K
R103
2.2M
R104
4.7K
Y101
16MHZ
4MHZ
500KHZ
4MHZA
4MHZB
SAMPX2
SAMPX4
SAMPLE
DSPRST
IOENBL
MSTRST
MIDINT
TIMINT
PEAVEY ELECTRONICS CORP.
711 A STREET
MERIDIAN, MS 39301
TITLE
SPECTRUM SYNTH MODULE
SIZE
B
CODE
NUMBER
91000138
REV
DATE
2-AUG-94
SHEET
1

CONFIDENTIAL




74HCT161
U301
U302
U303
U304
U305
U306
ADDLOD
ADDINC
+5V
74HCT74
U307
U308
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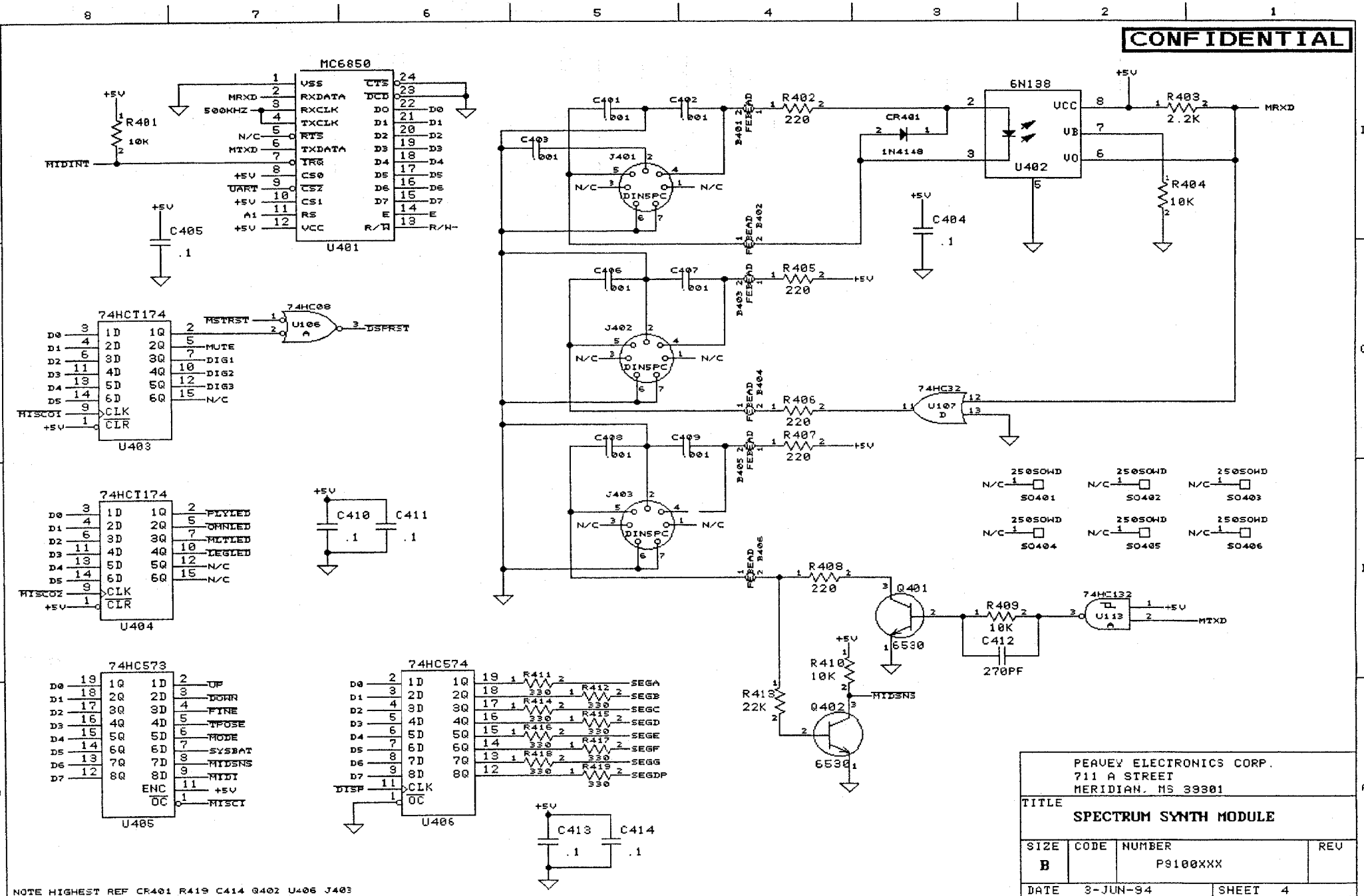
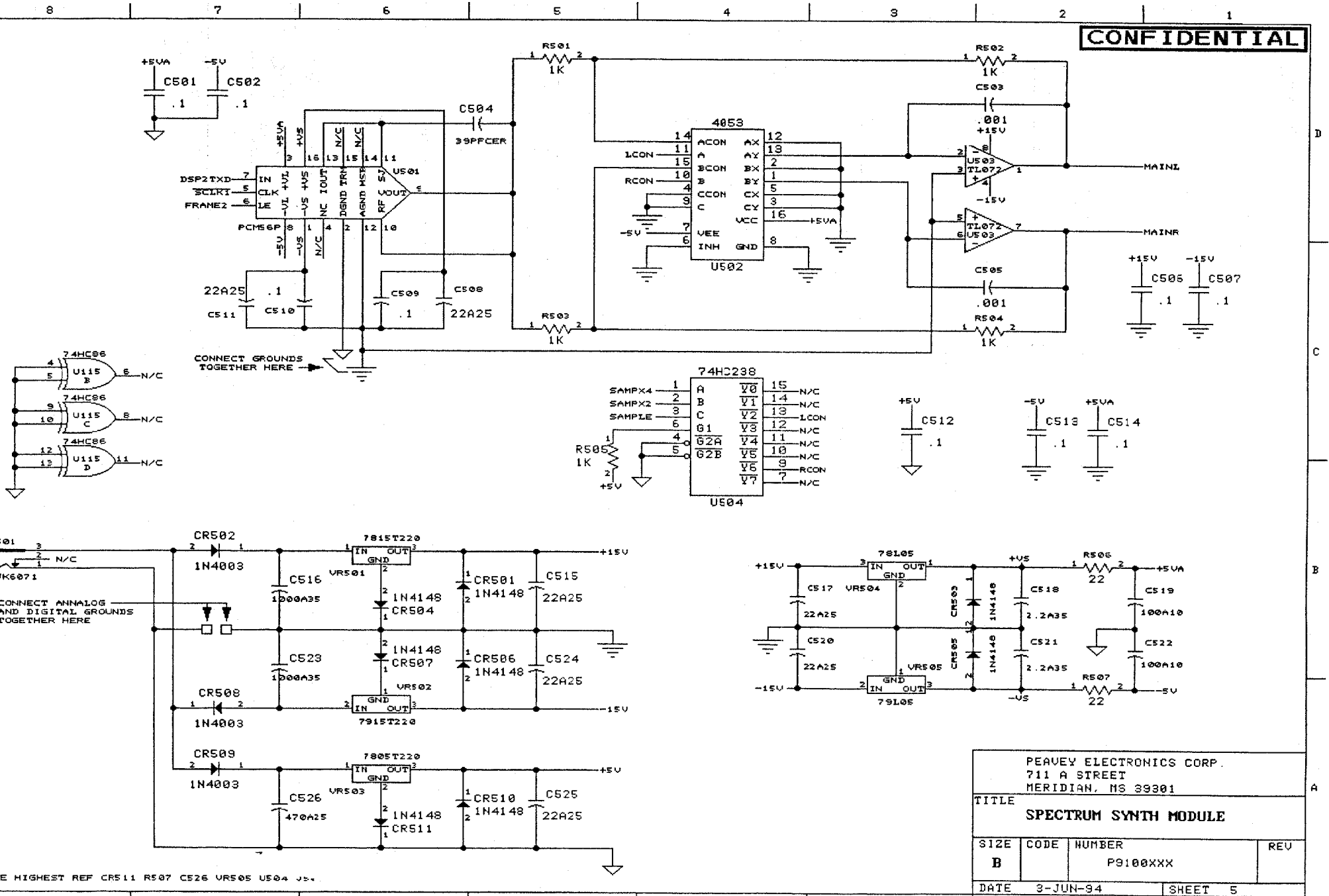
MEMEN
READ
MAVEN
N/C
2SIROM
U309
4MEPROM
U310
C301
C302
C303
C304
C305
C306
C307
C308
C309
C310
.1
74HC32
U107
DWR
RAMWE
RAMEN
RAMOE
BATT
TC551001
U311
U312
74HCT138
U313
74HCT10
U104
C311
C312
C313
PEAVEY ELECTRONICS CORP.
711 A STREET
MERIDIAN, MS 39301
TITLE
SPECTRUM SYNTH MODULE
SIZE
B
CODE
NUMBER
P9100XXX
REV
DATE
5-AUG-94
SHEET
3
CONFIDENTIAL
NOTE HIGHEST REF C313 U313



NOTE HIGHEST REF CR401 R419 C414 Q402 U406 J403

PEAVEY ELECTRONICS CORP. 711 A STREET MERIDIAN, MS 39301			
TITLE SPECTRUM SYNTH MODULE			
SIZE B	CODE	NUMBER P9100XXX	REV
DATE 3-JUN-94		SHEET 4	

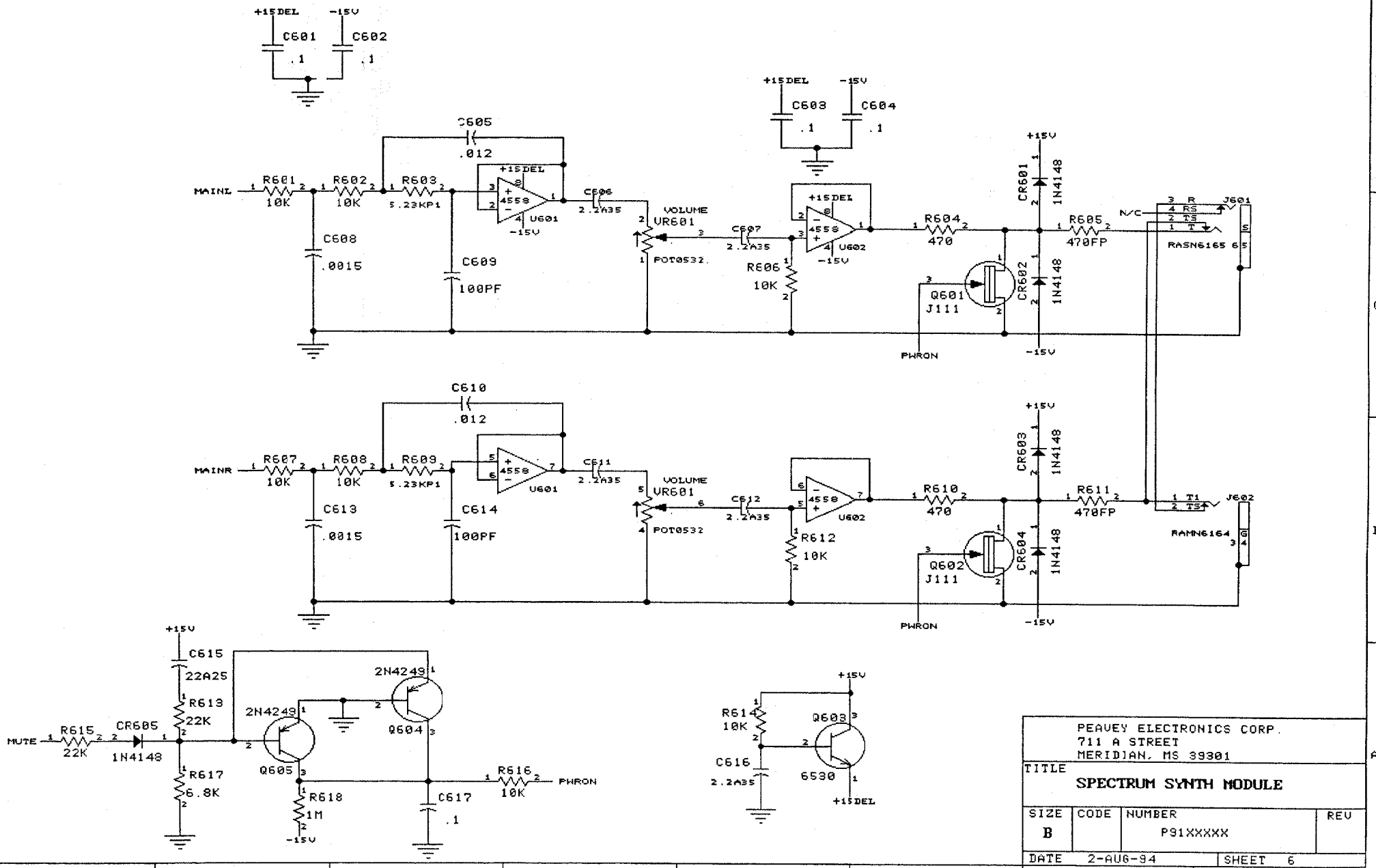
CONFIDENTIAL



PEAVEY ELECTRONICS CORP. 711 A STREET MERIDIAN, MS 39301			
TITLE: SPECTRUM SYNTH MODULE			
SIZE: B	CODE:	NUMBER: P9100XXX	REV:
DATE: 3-JUN-94		SHEET: 5	

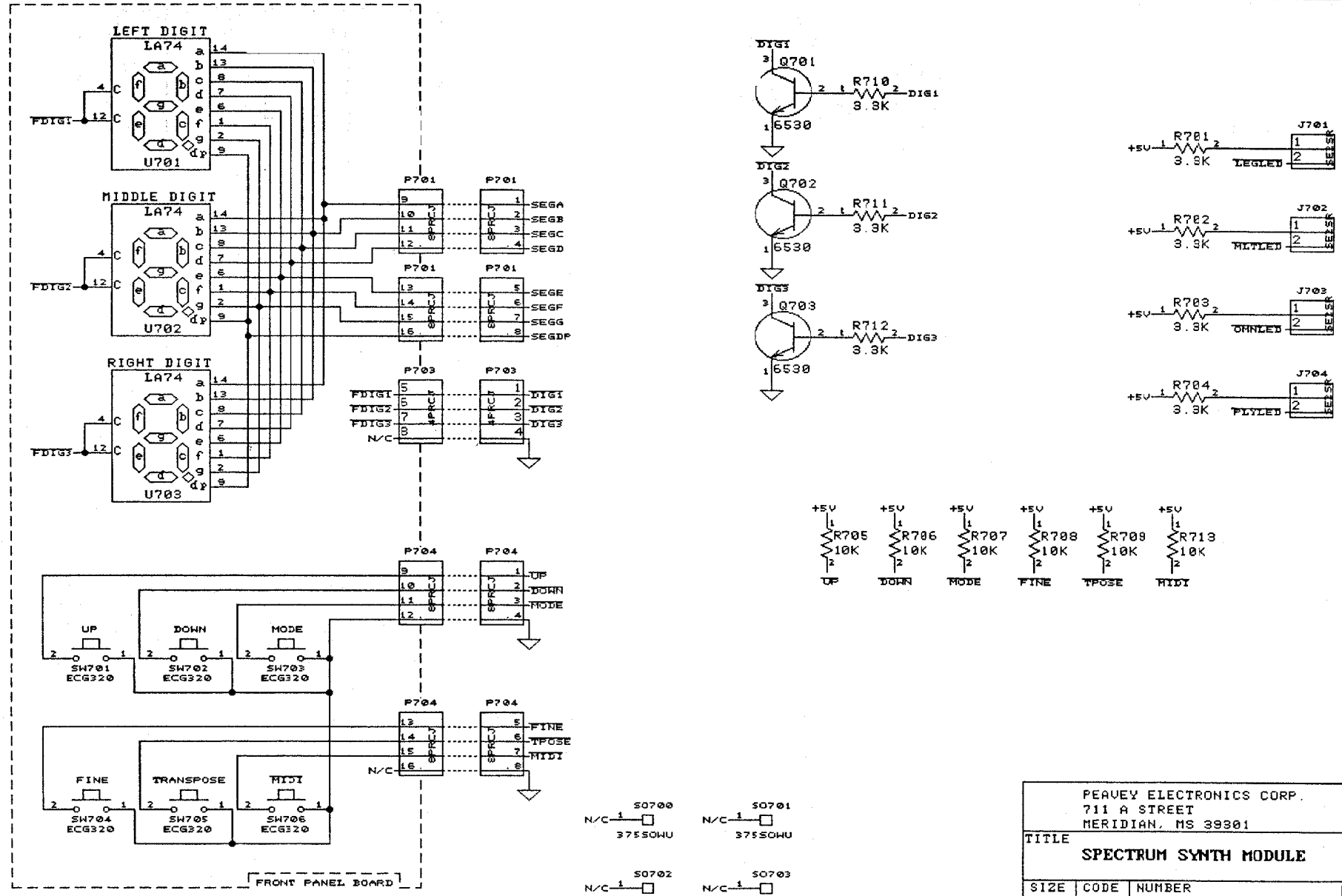
NOTE HIGHEST REF CR605 R618 C617 Q605 VR601 U602 J602

CONFIDENTIAL



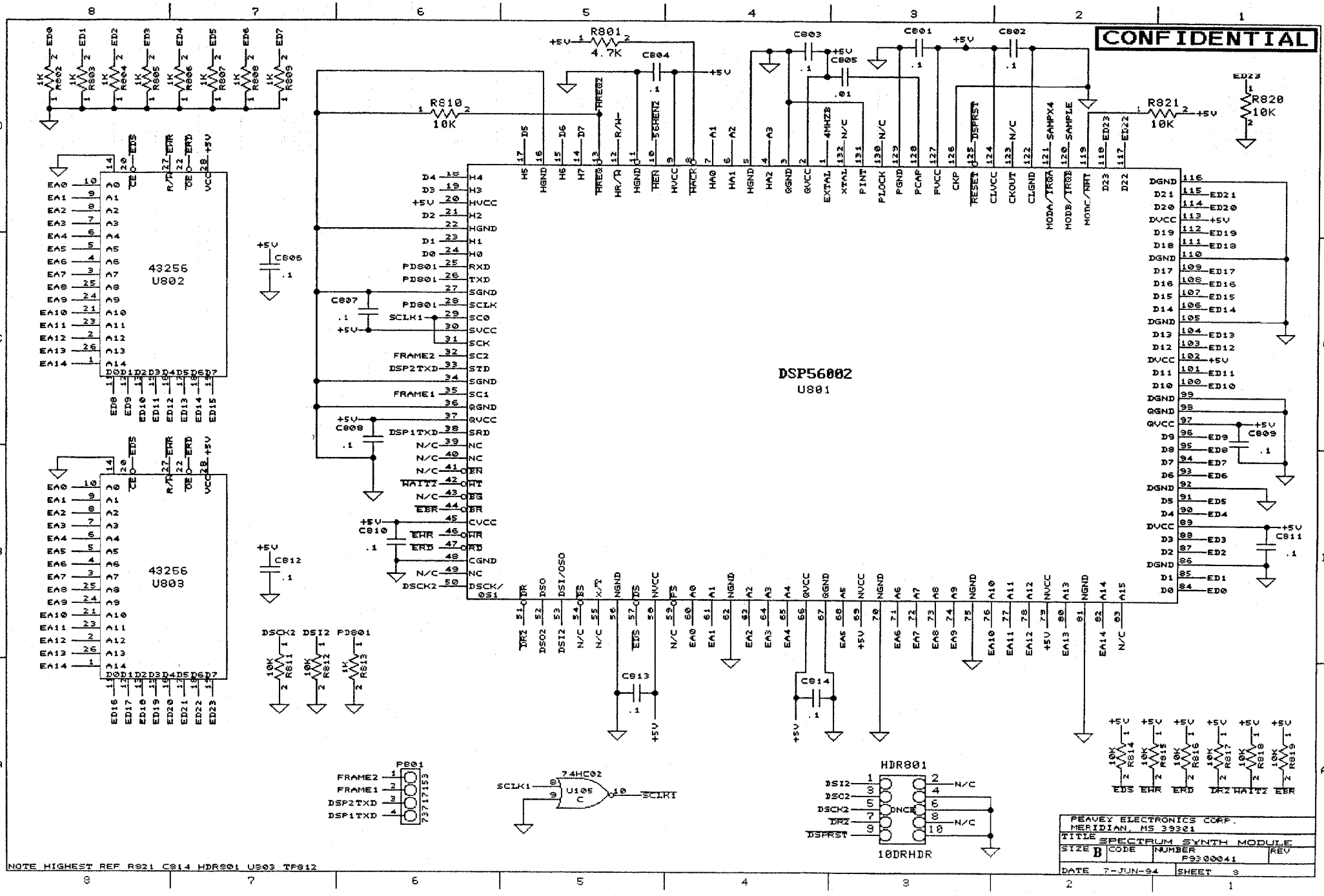
PEAVEY ELECTRONICS CORP. 711 A STREET MERIDIAN, MS 39301		
TITLE: SPECTRUM SYNTH MODULE		
SIZE: B	CODE:	NUMBER: P91XXXXX REV:
DATE: 2-AUG-94	SHEET: 6	

CONFIDENTIAL

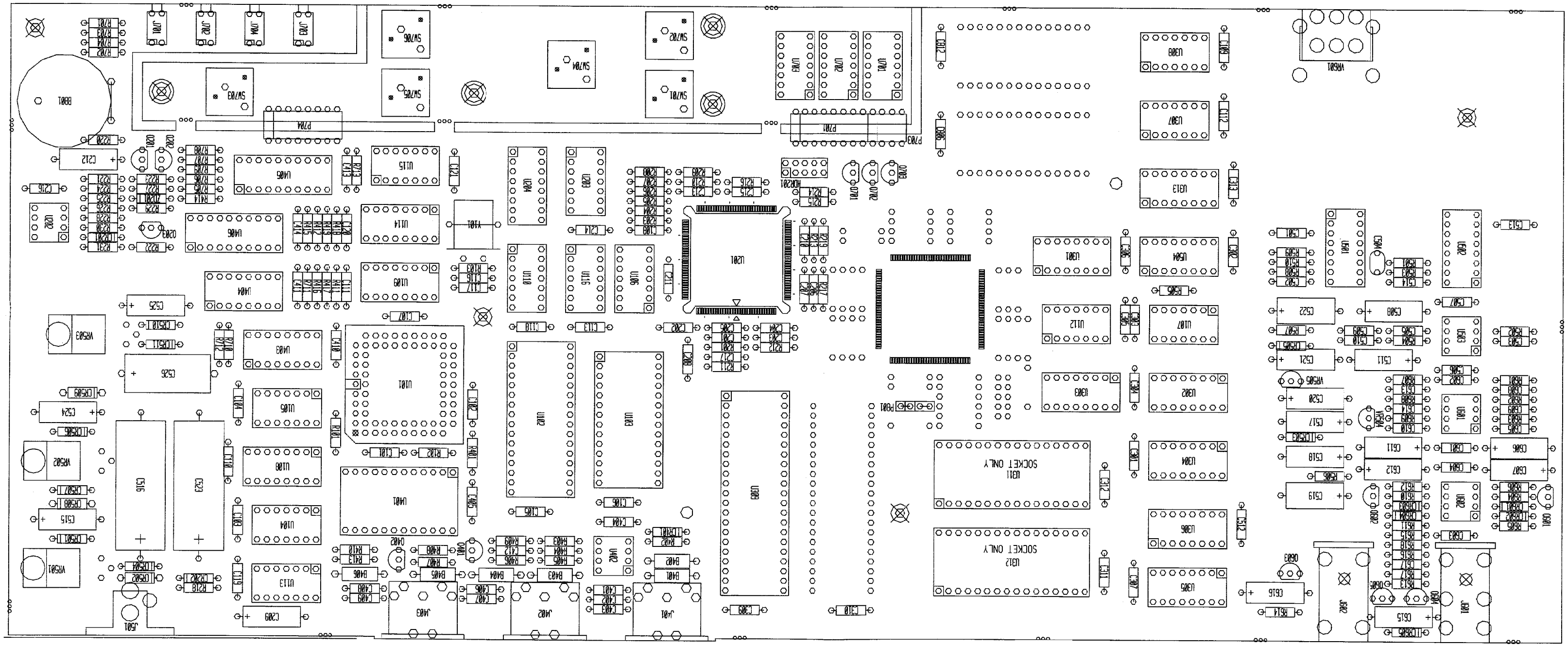


NOTE HIGHEST REF R713 U703 J704 Q703

PEAVEY ELECTRONICS CORP. 711 A STREET MERIDIAN, MS 39301			
TITLE SPECTRUM SYNTH MODULE			
SIZE B	CODE	NUMBER P9100XXX	REV
DATE 6-JUN-94		SHEET 7	


CONFIDENTIAL
DSP56002
U801
43256
U802
43256
U803
R801
4.7K
R810
10K
R821
10K
R820
10K
C801
C802
C803
C804
C805
C806
C807
C808
C809
C810
C811
C812
C813
C814
PS01
7371153
74HC02
U105
C
HDR801
10DRHDR
ONCE
DSP2TXD
DSP1TXD
FRAME2
FRAME1
SCLK1
SCLK2
DSCK2
DSI2
PD801
N/C
PEAVEY ELECTRONICS CORP.
MERIDIAN, MS 39301
TITLE SPECTRUM SYNTH MODULE
SIZE B
CODE
NUMBER P9300041
REV
DATE 7-JUN-94
SHEET 8
NOTE HIGHEST REF R921 C914 HDR801 U803 TP812

SPECTRUM SYNTH



BOARD NAME: SPECTRUM SYNTH
ASSEMBLY LEVEL NUMBER: 99097341

* QTY.	PART NAME	PART VALUE	NUMBER	DESCRIPTION AND DEVICE DESIGNATIONS **********
6	FEBEAD	FEBEAD	70502122	FERRITE BEAD INDUCTOR B401, B402, B403, B404, B405, B406
1	3.6VBAT	3.6VBAT	70900176	3.6 VOLT/50 MA-HR NICAD B801
13	.1	.1	70340100	.1MF—+80-20%-50VDC—AXL—T&R C101, C102, C103, C104, C105, C106, C107, C108, C109, C110, C111, C112, C113
2	39PF	39PF	70340052	39PF———50VDC—T/C—T&R C116, C117
8	.1	.1	70340100	.1MF—+80-20%-50VDC—AXL—T&R C118, C119, C120, C121, C201, C202, C203, C204
1	.01	.01	70340011	.01MF—10%—50VDC—T/C—T&R C205
3	.1	.1	70340100	.1MF—+80-20%-50VDC—AXL—T&R C206, C207, C208
1	10A16L	10A16L	70320198	10MFD 16V LOW LEAKAGE T&R C209
2	.1	.1	70340100	.1MF—+80-20%-50VDC—AXL—T&R C210, C211
1	2.2A35	2.2A35	70320200	2.2MFD 35VDC LY.CAP T&R C212
4	.1	.1	70340100	.1MF—+80-20%-50VDC—AXL—T&R C213, C214, C215, C216
1	39PF	39PF	70340052	39PF———50VDC—T/C—T&R C217
13	.1	.1	70340100	.1MF—+80-20%-50VDC—AXL—T&R C301, C302, C303, C304, C305, C306, C307, C308, C309, C310, C311, C312, C313
3	.001	.001	70340000	.001MF—10%—50VDC—MON—T&R C401, C402, C403
2	.1	.1	70340100	.1MF—+80-20%-50VDC—AXL—T&R C404, C405
4	.001	.001	70340000	.001MF—10%—50VDC—MON—T&R C406, C407, C408, C409
2	.1	.1	70340100	.1MF—+80-20%-50VDC—AXL—T&R C410, C411
1	270PF	270PF	70340057	270PF—10%—50VDC—T/C—T&R C412
4	.1	.1	70340100	.1MF—+80-20%-50VDC—AXL—T&R C413, C414, C501, C502
1	.001	.001	70340000	.001MF—10%—50VDC—MON—T&R C503
1	39PFCER	39PFCER	70320052	39PF—20%—100VDC-CERAMIC DISC C504
1	.001	.001	70340000	.001MF—10%—50VDC—MON—T&R C505
2	.1	.1	70340100	.1MF—+80-20%-50VDC—AXL—T&R C506, C507
1	22A25	22A25	70320012	22MFD +/-20% 25VDC EL AXL C508
2	.1	.1	70340100	.1MF—+80-20%-50VDC—AXL—T&R C509, C510
1	22A25	22A25	70320012	22MFD +/-20% 25VDC EL AXL C511
3	.1	.1	70340100	.1MF—+80-20%-50VDC—AXL—T&R C512, C513, C514
1	22A25	22A25	70320012	22MFD +/-20% 25VDC EL AXL C515
1	1000A35	10C0A35	70320038	1000 MFD 35VDC LYTIC CAP C516
1	22A25	22A25	70320012	22MFD +/-20% 25VDC EL AXL C517
1	2.2A35	2.2A35	70320200	2.2MFD 35VDC LY.CAP T&R C518
1	100A10	10CA10	70320193	100MFD 10V 20% EL T&R C519
1	22A25	22A25	70320012	22MFD +/-20% 25VDC EL AXL C520
1	2.2A35	2.2A35	70320200	2.2MFD 35VDC LY.CAP T&R C521
1	100A10	100A10	70320193	100MFD 10V 20% EL T&R C522
1	1000A35	1000A35	70320038	1000 MFD 35VDC LYTIC CAP C523
2	22A25	22A25	70320012	22MFD +/-20% 25VDC EL AXL C524, C525
1	470A25	470A25	70320168	470MF-20%-25VDC-EL-AXL C526
4	.1	.1	70340100	.1MF—+80-20%-50VDC—AXL—T&R C601, C602, C603, C604
1	.012	.012	70340009	.012MF—10%—50VDC—T/C—T&R C605
2	2.2A35	2.2A35	70320200	2.2MFD 35VDC LY.CAP T&R C606, C607
1	.0015	.0015	70340002	.0015MF-10%—50VDC—T/C—T&R C608
1	100PF	100PF	70340054	100PF—10%—50VDC—T/C—T&R C609
1	.012	.012	70340009	.012MF—10%—50VDC—T/C—T&R C610
2	2.2A35	2.2A35	70320200	2.2MFD 35VDC LY.CAP T&R C611, C612
1	.0015	.0015	70340002	.0015MF—10%—50VDC—T/C—T&R C613
1	100PF	100PF	70340054	100PF—10%—50VDC—T/C—T&R C614
1	22A25	22A25	70320C12	22MFD +/-20% 25VDC EL AXL C615
1	2.2A35	2.2A35	70320200	2.2MFD 35VDC LY.CAP T&R C616
5	.1	.1	70340100	.1MF—+80-20%-50VDC—AXL—T&R C617, C801, C802, C803, C804
1	.01	.01	70340C11	.01MF—10%—50VDC—T/C—T&R C805
9	.1	.1	70340100	.1MF—+80-20%-50VDC—AXL—T&R C806, C807, C808, C809, C810, C811, C812, C813, C814
4	1N4148	4148	70464148	1N4148 75V 10MA SILICON DIODE CR201, CR202, CR401, CR501
1	1N4003	1N4003	70464C03	1N4003 200V SILICON DIODE CR502
5	1N4148	4148	70464148	1N4148 75V 10MA SILICON DIODE CR503, CR504, CR505, CR506, CR507
2	1N4003	1N4003	70464003	1N4003 200V SILICON DIODE CR508, CR509
7	1N4148	4148	70464148	1N4148 75V 10MA SILICON DIODE CR510, CR511, CR601, CR602, CR603, CR604, CR605
2	10DRHDR	73717134	73717134	10-DR-RET/P-HD—.100 TIN HDR201, HDR801
3	DIN5PC	71466140	71466140	CONN 5P/180 DEG. R/A PCMNT DIN J401, J402, J403
1	BJK6071	71466071	71466071	FLUSH MOUNT 12VDC SOCKET J501
1	RASN6165	71466165	71466165	JK R/A 12.5MM NIN STEREO -88 J601
1	RAMN6164	71466164	71466164	JK R/A 12.5MM NIN MONO -38 J602
4	SE2SR	73717104	73717104	2-SR-RA-HOR-BC-.100- J701, J702, J703, J704
1	8PRCJ	8PRCJ	70600028	8C PRE-TIN .100 CTR 2.5" JUMPER P701
1	4PRCJ	4PRCJ	70600024	4 CCN. RIBBON CABLE .100 CTR 2.25" JUMPER P703
1	8PRCJ	8PRCJ	70600028	8C PRE-TIN .100 CTR 2.5" JUMPER P704
1	73717153	73717153	73717153	4 PIN, TIN P801
1	2N6534	6534	70406533	MPS-6533/34 TO-92 PNP TRANS Q201
2	2N3919	3919	70463919	SKA-3919 TO92 NPN TRANS T&A Q202, Q203
2	6530	6531	70466531	MPS-6531 TO92 NPN TRANS. Q401, Q402
2	J111	J111	70460111	J-111 35V TO-92 NFET LOW T&A Q601, Q602
1	6530	6531	70466531	MPS-6531 TO92 NPN TRANS. Q603
2	2N4249	4249	70464249	2N4249/690 30V TO-92 PNP T&A Q604, Q605
3	6530	6531	70466531	MPS-6531 TO92 NPN TRANS. Q701, Q702, Q703
2	10K	10K	70240025	10K-1/4W-5%—CF-T&R R101, R102
1	2.2M	2.2M	70240040	2.2M-1/4W-5%—CF-T&R R103
1	4.7K	4.7K	70240023	4.7K-1/4W-5%—CF-T&R R104
11	1K	1K	70240017	1K—1/4W-5%—CF-T&R R201, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212
4	10K	10K	70240025	10K-1/4W-5%—CF-T&R R213, R214, R215, R216
1	270	270	70240013	270-1/4W-5%—CF-T&R R217
1	10K	10K	70240025	10K-1/4W-5%—CF-T&R R218
1	1K	1K	70240017	1K—1/4W-5%—CF-T&R R219
1	10K	10K	70240025	10K-1/4W-5%—CF-T&R R220
1	180	180	70240012	180-1/4W-5%—CF-T&R R221
1	10K	10K	70240025	10K-1/4W-5%—CF-T&R R222
1	1K	1K	70240017	1K—1/4W-5%—CF-T&R R223
1	2.2M	2.2M	70240040	2.2M-1/4W-5%—CF-T&R R224
1	150K	150K	70240035	150K-1/4W-5%—CF-T&R R225
1	10M	10M	70240205	10 MEG OHM - 1/4 WATT RESISTOR R226
1	150	150	70240001	150-1/4W-5%—CF-T&R R227
1	47K	47K	70240031	47K-1/4W-5%—CF-T&R R228
1	180	180	70240012	180-1/4W-5%—CF-T&R R229
1	47K	47K	70240031	47K-1/4W-5%—CF-T&R R230
2	10K	10K	70240025	10K-1/4W-5%—CF-T&R R231, R401
1	220	220	70240058	220—1/4W-5%—CF-T&R R402
1	2.2K	2.2K	70240020	2.2K-1/4W-5%—CF-T&R R403
1	10K	10K	70240025	10K-1/4W-5%—CF-T&R R404
4	220	220	70240058	220-1/4W-5%—CF-T&R R405, R406, R407, R408
2	10K	10K	70240025	10K-1/4W-5%—CF-T&R R409, R410
2	330	330	70240014	330-1/4W-5%—CF-T&R R411, R412
1	22K	22K	70240029	22K-1/4W-5%—CF-T&R R413
6	330	330	70240014	330-1/4W-5%—CF-T&R R414, R415, R416, R417, R418, R419
5	1K	1K	70240017	1K—1/4W-5%—CF-T&R R501, R502, R503, R504, R505
2	22	22	70240007	22—1/4W-5%—CF-T&R R506, R507
3	270	270	70240013	270-1/4W-5%—CF-T&R R508, R509, R510
2	10K	10K	70240025	10K-1/4W-5%—CF-T&R R601, R602
1	5.23KP1	5.23KP1	70241071	5.23K-1/4W-1%-MF-T&R R603
1	470	470	70240015	470-1/4W-5%—CF-T&R R604
1	470FP	470FP	70240098	470-1/4W-5%-FP-T&R R605
3	10K	10K	70240025	10K-1/4W-5%—CF-T&R R606, R607, R608
1	5.23KP1	5.23KP1	70241071	5.23K-1/4W-1%-MF-T&R R609
1	470	470	70240015	470-1/4W-5%—CF-T&R R610
1	470FP	470FP	70240098	470-1/4W-5%-FP-T&R R611
1	10K	10K	70240025	10K-1/4W-5%—CF-T&R R612
1	22K	22K	70240029	22K-1/4W-5%—CF-T&R R613
1	10K	10K	70240025	10K-1/4W-5%—CF-T&R R614
1	22K	22K	70240029	22K-1/4W-5%—CF-T&R R615
1	10K	10K	70240025	10K-1/4W-5%—CF-T&R R616
1	6.8K	6.8K	70240024	6.8K-1/4W-5%—CF-T&R R517
1	1M	1M	70240039	1M—1/4W-5%—CF-T&R R518
4	3.3K	3.3K	70240022	3.3K-1/4W-5%—CF-T&R R701, R702, R703, R704
5	10K	10K	70240025	10K-1/4W-5%—CF-T&R R705, R706, R707, R708, R709
3	3.3K	3.3K	70240022	3.3K-1/4W-5%—CF-T&R R710, R711, R712
1	10K	10K	70240025	10K-1/4W-5%—CF-T&R R713
1	4.7K	4.7K	70240023	4.7K-1/4W-5%—CF-T&R R801
8	1K	1K	70240017	1K—1/4W-5%—CF-T&R R802, R803, R804, R805, R806, R808, R809,R807
3	10K	10K	70240025	10K-1/4W-5%—CF-T&R R810, R811, R812
1	1K	1K	70240017	1K—1/4W-5%—CF-T&R R813
8	10K	10K	70240025	10K-1/4W-5%—CF-T&R R814, R815, R816, R817, R818, R820, R821,R819
6	250SOWD	70900785	70900785	SPACER, 1/4,R(#4),.187 SWAGE ALUM SO401, SO402, SO403, SO404, SO405, SO406
4	375SOWU	70900295	70900295	SPACER, 3/8,R(#4),.187 SWAGE ALUM. SO700, SO701, SO702, SO703
6	ECG320	ECG320	71322126	ECG320 OVAL CAP MON SW701, SW702, SW703, SW704, SW705, SW706
1	68EC000	68EC000	70406808	8/16/32 EMBED CONTR (8MHZ) U101
1	99000076	99000076	99000076	99000076 XMB ROM U102
1	43256	43256	70480032	43256 IC U103
1	74HCT10	74HCT10	7043001C	74HCT10 CMOS U104
1	74HC02	70410002	70410002	74HC02 QUAD 2 INPUT NOR U105
1	74HC08	74HC08	70430008	74HC08 QUAD AND U106
1	74HC32	74HC32	70410032	74HC32 QUAD 2 INPUT OR GATES U107
1	74HC175	74HC175	70410175	74HC175 4BIT REGISTER U108
1	74HCT138	74HCT138	70420138	74HCT138 I.C. 3 TO 8 DECODER U109
1	74HCU04	74HCU04	70400104	74HCU04 HIGH SPEED CMOS INVERTER U110
1	74HCT74	74HCT74	70430074	74HCT74 CMOS DUAL FLIP FLOP U112
1	74HC132	70400132	70400132	74HC132 QUAD 2-INPUT NAND U113
1	74HCT138	74HCT138	70420138	74HCT138 I.C. 3 TO 8 DECODER U114
1	74HC86	74HC86	70410C86	74HC86 QUAD 2 INPUT EXCLUSIVE OR GATES U115
1	74HC393	74HC393	70400393	74HC393 HIGH SPEED CMOS U116
1	DSP56002	DSP56002	70418C61	DSP56002 24-BIT PROC -SMT 132PQFP U201
1	TL072	TL072	70400C72	IC TLO-72 DUAL BIFET JG PKG U202
1	74HCT74	74HCT74	70430C74	74HCT74 CMOS DUAL FLIP FLOP U203
1	74HC4020	74HC4020	70404020	74HC4020B 14 STAGE RIPPLE CARRY BINARY COUNTER U204
6	74HCT161	74HCT161	70430161	74HCT161 IC U301, U302, U303, U304, U305, U306
2	74HCT74	74HCT74	70430074	74HCT74 CMOS DUAL FLIP FLOP U307, U308
1	2SIROM	2SIROM	XX2SIROM	2SIROM U309
1	4MEPROM	4MEPROM	X4MEPROM	4MEPROM U310
2	TC551001	TC551001	70405128	TC551001 128KX8 STATIC RAM U311, U312
1	74HCT138	74HCT138	70420138	74HCT138 I.C. 3 TO 8 DECODER U313
1	MC6850	MC6850	70406850	MC6850 IC U401
1	6N138	6N138	70400138	6N138 OPTOCOUPLER U402
2	74HCT174	74HCT174	70430174	74HCT174 IC U403, U404
1	74HC573	74HC573	70410573	74HC573 OCTAL BUFFER U405
1	74HC574	74HC574	70410574	74HC574 OCTAL REGISTER U406
1	PCM56P	PCM56P	70410056	PCM56P DAC U501
1	4053	4053	70404053	4053 TRIPLE 2:1 ANALOG SWITCH U502
1	TL072	TL072	70400072	IC TLO-72 DUAL BIFET JG PKG U503
1	74HC238	74HC238	70410238	74HC238 I.C. 3 TO 8 DECODER U504
2	4558	4558	70404558	IC RC-4558, P DUAL BI-PKG 10 U601, U602
3	LA74	LA74	70410074	7 SEG LED DISPLAY -RECT. LARGE U701, U702, U703
1	DSP56002	DSP56002	70418061	DSP56002 24-BIT PROC -SMT 132PQFP U801
2	43256	43256	70480032	43256 IC U802, U803
1	7815T220	7815	70400340	7815 15V 1A POS TO-220 RG VR501
1	7915T220	7915	70400320	7915 15V 1A NEG TO 220 RG VR502
1	7805T220	7805	70427805	VR CT REG VR503
1	78L05	78L05	70467805	LM78L05, 5V, POS, 100MA TO92 T&A VR504
1	79L05	79L05	70467905	MC79L05 -5V VR T&A VR505
1	POT0532	71190532	71190532	10KA/10KA DUAL MIN VPC VR601
1	16MHZ	16MHZ	70800009	16 MHZ CRYSTAL Y101
1	1N747	1N747	70400747	1N747A 3.6V 5% ZENER T&R ZD201

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